



Chief Assistant Dr. Eli Pavlova-Traykova

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ReserchGate:

https://www.researchgate.net/profile/Eli_Pavlova-Traykova

Date and birth place: 20 March 1987, Ihtiman, Sofia District

Research interests: Soil erosion, erosion control activities, forest ecology

Education:

2020: PhD, Forest Research Institute, BAS, Thesis: „Assessment of factors and risk of erosion in the Dzherman river watershed“

2014: MSc in Real estate economics, specialization Property management, University of national and world economy, Sofia

2010: MSc in forestry, forest engineer, specialization Forest management, University of Forestry, Sofia

Employment:

2020– present: Chief assistant, Department of Forest ecology, Forest Research Institute, BAS

2012-2020: Assistant, Department of Forest ecology, Forest Research Institute, BAS

2011-2012: Forest engineer, Department of Forest ecology, Forest Research Institute, BAS

2010-2011: Computer operator, Department of Forest ecology, Forest Research Institute, BAS

Administrative responsibilities:

2019- at present: Deputy Head “Ecological Station and Arboretum”

Membership in scientific organisations: Union of Scientists in Bulgaria

Publications: 10 published papers. List of selected publications for last five years:

Pavlova-Traykova E (2020) Efficiency of hydrotechnical system at torrent Saparevski dol, part of the Dzherman river watershed. *Forest science* 56 (2): 5-20.

Pavlova-Traykova E (2019) Evaluation of water erosion risk in Bistritsa river watershed, South-west Bulgaria. *Forest science* 55 (1): 53-63.

Marinov I, Grozeva M, **Pavlova-Traykova E**, Gribacheva N (2019) Study on degradation processes in forest ecosystems from the upper stream of Dzherman river. *Proceeding papers „150 years Bulgarian Academy of Sciences“*. Professor Marin Drinov Academic Publishing House, 77-89.

Yaneva R, **Pavlova-Traykova E** (2019) Multi-criteria analysis in the study of erosion processes. Proposal for GIS tools for the Stryama River catchment. *Proceeding papers „150 years Bulgarian Academy of Sciences“*. Professor Marin Drinov Academic Publishing House, 119-129.

- Pavlova-Traykova E, Marinov I, Dimov P (2018)** Erosion control activities in Badinska river, Southwest Bulgaria. I. Hidrotechnical facilities. *Forest science* (1): 55-68.
- Pavlova-Traykova E, Marinov I, Dimov P (2018)** Erosion control activities in Badinska river, Southwest Bulgaria. II. Afforestation. *Forest science* (2): 67-82.
- Pavlova-Traykova E, Marinov (2018)** Evaluation of water erosion risk in Dzhubrena watershed. *Silva Balcanica* 19 (3): 1-9.
- Marinov I, **Pavlova-Traykova E (2018)** Flooding risk assessment in connection with ecosystem services in Smolyan region, Bulgaria. *Forest science* 54 (2): 83-90.
- Pavlova-Traykova E, Marinov I, Dimov P 2017.** Evaluation of water erosion risk of Badinska river catchment, Southwest Bulgaria. *Bulletin of the Faculty of Forestry* 115 (2): 89-98.

Research projects: Coordinator or participant in 11 national and international research projects. The projects for the last 5 years are listed below:

- Biodiversity of forest ecosystems in Sredna Stara planina Mountain under the condition of changes. National Scientific Fund, Ministry of education and science. Project coordinator: Chief assist. Rositsa Yaneva, PhD (2020-2022).
- Forest treeline shifting in the forest reserve Tsarichina - example of positive response of the forest ecosystems to the climate change and land use change. National Scientific Fund, Ministry of education and science. Project coordinator: Chief assist. Dimitar P. Dimitrov, PhD (2019 – 2021).
- Implementation of modern methodological approaches for the assessment of erosion in mountain watersheds. National programme „Young scientists and postdoctor“, Modul „Young scinetists“. 2019-2020. Project Leader: Ch. Assistant Dr. Eli Pavlova-Traykova. Scientific consultant Prof. DSc Ivan Ts. Marinov
- National Science Program (NNP) "Environmental protection and reduction of the risk of adverse events and natural disasters". Project Leader: Prof. DSc Ivan Ts. Marinov.
- Soil Erosion and Torrential Flood Prevention: Curriculum Development at the Universities of Western Balkans Countries (SETOF). Programme Erasmus+: Capacity-building in Higher Education. Applicant organisation: University of Belgrade. Project Leader: Ch. Assistant Dr. Eli Pavlova-Traykova.
- Dendrochronology – A Thousand Years Master Chronology Building to Date the Material and Cultural Heritage of the Balkans. 2017-2020. Project Leader: Assoc. Prof. Dr. Hristo Popov.
- Forest ecosystems - condition, risk processes and phenomena, protection (project FRI-BAS - head Prof. DSc Ivan Ts. Marinov). Task: Erosion studies in torrential tributaries of the Dzherman River. Project Leader: Assistant Eli Pavlova-Traykova- Task leader.
- Soil erosion risk assessment and erosion control activities determination at Dzherman river watershed. Young scientists support program in BAS. 2016-2017 Project Leader: Ch. Assistant Dr. Eli Pavlova-Traykova. Scientific consultant Prof. DSc Ivan Ts. Marinov
- Toward better UNderstanding the Ecosystem Services in URBan environments trough assessment and mapping. 2015-2017. Project Leader: Prof. Dr Miglena Zhiyanski.